SEARCH REQUEST FORM | 5

equestor's BERCH	Serial /0 606 42 4
vate: 4/19 Phone: 571-	-272-0663 Art Unit: 1624 Mailbox 5C18
earch Topic:	fically as possible the subject matter to be searched. Define any ent citations, authors, keywords, etc., if known. For sequences, the broadest and/or most relevent claim(s).
H-N-Q	J= LOR ~ N CH3 Or CHARCEN-O Or CHNH2
NH2 NH2 NH2 NH2	$R = C_{2-4} \text{ alkpl}$ or $C_{1-4} = C_{2-4} \text{ alkpl}$
Q = -(5) -c	N-Roet/CH2-6)
I-OF J	Compound cannot
340.30	be multicomponent
ua.	#211

=> d 110 que stat;fil caplus;s 110 L5 STR

VAR G1=19/30/40 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 41

STEREO ATTRIBUTES: NONE

L7 595 SEA FILE=REGISTRY SSS FUL L5

L8 451 SEA FILE=REGISTRY ABB=ON PLU=ON L7 AND 1/NC

L9 STR

36 C 34

VAR G1=19/30/40 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 41

STEREO ATTRIBUTES: NONE L10 22 SEA FILE=REGISTRY SUB=L8 SSS FUL L9

100.0% PROCESSED 22 ITERATIONS SEARCH TIME: 00.00.01 22 ANSWERS

TOTAL

COST IN U.S. DOLLARS

-ENTRY-SESSION 330.70 330.91

SINCE FILE

FULL ESTIMATED COST

FILE 'CAPLUS' ENTERED AT 11:48:51 ON 21 APR 2005 USE_IS_SUBJECT_TO_THE_TERMS_OF_YOUR_SIN_CUSTOMER_AGREEMENT PLEASE SEE "HELP USAGETERMS" FOR DETAILS. COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

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FILE COVERS 1907 - 21 Apr 2005 VOL 142 ISS 17 FILE LAST UPDATED: 20 Apr 2005 (20050420/ED)

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This file contains ${\it CAS}$ Registry Numbers for easy and accurate substance identification.

L11 5 L10

=> d 1-5 ibib abs hitstr

L11 ANSWER 1 OF 5 CAPLUS COPYRIGHT 2805 ACS on STN ACCESSION NUMBER: 2005:161015 CAPLUS

SSION NUMBER: COST-MINION COMPUTED ON SIN CONTROL OF COMPUTED ON SIN CONTROL OF COMPUTED ON SIN CONTROL OF CONTRO INVENTOR (S) :

PATENT ASSIGNEE(S):

DOCUMENT TYPE: English FAMILY ACC. NUM. CO PATENT INFORMATION:

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20040013
3, CA, CH,
4, GB, GD,
5, NA, MI,
5, SL, SY,
6, ZY, AM,
7, ZW, AM,
7, ZW, AM,
7, RO, SE,
7, MR, ME, PATENT NO. XIND DATE APPLICATION NO. WO 2004-US26373 , BB, BG, BR, EW, , DZ, EC, EE, EG, , HS, HX, EM, NS, , RU, SC, SD, SE, US, UZ, VC, VN, SD, SL, SZ, TZ, AT, BE, BG, CH, , IT, LU, HC, NL, CM, GA, GN, GQ, VO 2005016528 A2 20050224 20050224 AU, AZ, SA, OE, DX, DN, 10, IL, IN, LV, HA, HD, PL, PT, NO, T2, UM, UG, NV, HZ, NA, RU, TJ, TM, GR, HE, IE, CF, OG, CI, AL, CR, CM, LS, CM, TN, GM, KG, FI, TR, MUNITER はなばばば AT. C2. HU. LU., PH. II. LS., MD. GB. FI, KR, HZ, SK, 2A, CZ, FT, HL,

US 2003-495406P US 2003-524357P US 2004-565367P 20030815 20031121 20040426 PP

The invention provides a noval tiles of compos. 1 (B1 - N, balo, alkyl, balcolkyl, etc.) 22 N, nov.), betweenyl 3 - N, alkyl, 1 N, balo, alkyl, balcolkyl, etc.), phermaceuton 2 - N, alkyl, 1 N, and composing noval composite noval composit

WER 1 OF 5 CAPLUS COPYRIGHT 2005 ACS OR STN

131 Margan 1 of Copies Correlate 2005 Also of The (Continued) Continued Communication Communication

RES.NCT (Resotant): SFN (Synthetic preparation): FREP (Preparation): FACT (Resotant or respent)
[Preparation of purinamnes es tyrosine kinase receptor inhibitors)
445785-66-6 CAPUS

#45795-66-6 CAPLUS
Piperidine, 1:4-[[2-[(trans-4-eminocyclohexyl):mmino]-1H-purin-6yll=mino]benzoyl]- (SCI) (CA INDEX NAME)

Relative stereochemistry.

ANSWER 2 OF 5 CAPLUS COPYRIGHT 2005 ACS on STM SSION NUMBER: 2003:221651 CAPLUS MENT NUMBER: 138:230196

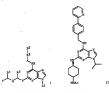
Delication of hierarchityless operation as potent Preparation of hierarchityless operation as potent Prove, Michael Pater Albany Molecular Zeserch, Inc., USA PCT 16th, April, 275 pp. Patent 170002 Patent TITLE:

DOCUMENT TYPE

LANGUAGE: FAHILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND 20030320 20040122 APPLICATION NO. DATE WO 2002-US28730 20020909 WO 2003022#05 WO 2003022#05 A2 AH, C2, ID, IV, NU, VC, LS, MU, GA, A1 B2 EG, BR, BY, EE, ES, F1, KS, KP, KR, NV, HX, HZ, SL, TJ, TM, 20040122 AT, AU, AT, DE, DK, DM, IL, IN, IS, HA, HD, HG, SD, SE, SG, VE, YU, ZA, HV, HZ, SD, TJ, TH, AT, IE, IT, LU, GN, GQ, GV, 20030515 20041102 BA, EB, 02, EC, JP, XE, MK, MN, SI, SK, ZM, ZW SL, SZ, MC, NL, ML, MR, BE, CA, GB, GD, KE, LC, NO, NE, TN, TR, CH, GE, IX, OH, II, CN AL, OU, NU, LU, RO, UZ, KE, HD, GB, CH, TZ, UG, CH, CY, PT, SE, NE, SN, ZH, CZ, SX, TD, 2W, AM, DE, DK, TR, BF, TG AZ, EE, BJ.

2 20010911 US 2001-318569P MARRIE 198.276166



- Title compon. [1] 11 = M. slly]. Alkenyl, opticallyl, OSCC7, GGGGGC7A.

 CGGC7A D 10 = Smaltriness Ph. sadsUdyl, princip, princip, thinsys,
 CGGC7A D 10 = Smaltriness Ph. sadsUdyl, princip, princip, thinsys,
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 CGGC7A D 10 = Smaltriness Ph. sadsUdyl, Since Ph. sad
- entiproliferative egents)
 50216-09-0 CAPUIS
 Th-Purine-2, 6-diamine, N2-(trans-4-eminopyolokskyl)-N6-{(4-(5-chloro-2-thinyl)phanyllnethyl)- (9CI) (CA INDEX NAME) Relative stereochemistry.

1.11 ANSWER 2 OF

S COPYRIGHT 2005 ACS on STN 2003:221467 CAPLUS L11 ANSWER 3 OF 5 CAPLUS
ACCESSION NUMBER: 2
DOCUMENT NUMBER: 1
TITLE: P 130:255240 bit aryjanthylamanopurines as potent pot INVENTOR (S): PATENT ASSIGNEE (S): SOURCE:

DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. CO PATENT IMPORMATION:

PATENT NO. DATE **YTKO** DATE APPLICATION NO. CH, CH, GE, GH, LK, LR, OH, PH, TT, TE, GA, GG, LC, NZ, TR, A2, BY, EE, ES, BJ, CF, 20010911 20031223 US 2003-680832 US 2001-950543 A 20031007 MARPAT 138:255243

LIL AMSNER 3 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

Ab The compon. I of the present invention are 3.6,9-triproductived parties (1 - 8, 187). Albeyl, evidently, 2027,

property Thus, till composed i've property and inhibited growth at METT, and markers that treatformed all like with DIGS (-0.0) and METT, and markers that the second control of the con

antiproliferative apenta)
50216-09-0 CAPLUS
78:Furine-2, 6-01amne, N2-(trans-4-aminocyclohemyl)-N6-[{4-(5-ohloro-2-thionyl)phemyl]-methyl]- [SCI] (CA IMBUS NOWS)

Relative stereochemistry



LII ANNUME 1 of 3 CAUDE COPISION 1000 AGS on FTS DECEMBER 1 of 1 CAUDE COPISION 1000 AGS on FTS DECEMBER 1 of 1 CAUDE CA

LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. rtwn DATE APPLICATION NO DATE

| NOTICE | N

OTHER SOURCE(S):

L11 ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN

39803-14-2 CAPLUS 4.9803-14-2 CMPDS
1-Piperidinecerboxylic scid, 4-[[2-[(trans-4-aminosyclohexyl]amino]-1H-purin-6-vilamino]-, ethyl ester (901) (CA INDEX NAME)

439803-17-5 CAPLUS Benzoic acid, 3-[[2-((trans-4-aminocyclohemyl)amino]-H-purin-6-yl]emino]-, ethyl ester (901) (CA INDEX MARK)

Relative atereochemistry.

Lil AMPRIL 1 0° 5 CAPUT COPRISON 200 ACT ON THE COntinued)
by finite with treat-1-(-demonstrates) at 20°. 1 (0° a continued)
by finite with treat-1-(-demonstrates) as shown to be an anyte of the continued and the continued at 20°. 1 (0° a continued at 20°. 2 (0° a continued at

(Uses)
(preparation of movel purise derive. as inhibitors of CIV-CDK)
439803-06-2 CAPIUS
1M-Purise-2.6-diamine, N2-(trans-6-eminocyclohemy1)-N6-[(3,4-dimethoxyphany1)setby1]- (9CI) (CA INDEX NAME)

elative atereochemistry.

Relative stereochemistry.

CAPLUS IN-Furine-2,6-diamine, N2-(trans-4-am fluoropheny1)methy1]- (9C1) (CA INDE (CA INDEX NAME)

no-4-eminocyclohexyl)-N6-(4-chloronhesyl)

439803-21-1 CAPLUS 1M-Furine-2,6-diamine, M2-(trans-4-amin dichlorophenyl)- (9CI) (CA INDEX NAME) stereochemistry.

439803-23-3 CAPLUS Beazots soid, 4-[[2-[(trans-4-amimocyclohexyl)amimo]-IH-purin-6-yl]amimo]-, butyl ester [3CI] (CA INDEX KAME)

LII ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS OR STN (Continued)

439803-25-5 CAFIUS
Benzoic acid, 4-[[2-[(trans-4-aninocyclohaxy1)anino]-IH-purin-6-y1]anino], 2-(diathylemino)athy1 sater (SCI) (CA INDEX NAME)

43903-2-7 CAPAUS
Sentamide, 4-[[2-[(trans-4-sminoryclohexyl)emino]-lk-purin-6-yl]smino]-N-phonyl- (9Cl) (CA INDEX NAME) Relative stereochemistry.

ANSWER 4 OF 5 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) Bennemide, 4-[[2-[(trans-4-eninosyolobexyl)anino]-1H-purin-6-yl]anino]-(9C1) (CA INDEK NAME) Relative stereochemistry.

439803-42-6 CAPLUS Banzoic acid./4-[[2-(cyclohexylamino)-lH-purin-6-yl]amino]-, ethyl ester (SCI) (CA INDEX NAME)

EFERENCE COUNT:

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 4 OF 5 CAPAUS COPYRIGHT 2005 ACS ON SEN

439803-29-9 CAPLUS 1H-Furine-2,6-dismine, N2-(trans-4-aminocyclohexyl)-N6-(4-(disethylamino)phenyl)- (9Cl) (CA INDEX NAME)

Relative stereochemistry.

439803-31-3 CARTIN Benzeldehyde, 4-[[2-[(trans-4-aminocyclohexyl)amino]-lH-purin-6-yl]emino](9C1) (CA INDEX NAME) Relative stereochemistry.

439803+33-5 CARLUS

LII ANSWER 5 OF 5 CAPLUS COPYRIGHT 2005 McG on STN
ACCESSION MONRESH:
1973;16123 CAPLUS MCG of 2.
787;16123 CAPLUS MCG of 2.6-disminopurines
Synthesis and study of 2.6-disminopurines
TECT/Sylvery, 6. 5.7. Medil'kina, N. N.; Cherkasov, V.

CORPORATE SOURCE: SOURCE:

DOCUMENT TYPE:

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COST IN U.S. DOLLARS	SINCE FILE	TOTAL
FULL ESTIMATED COST	ENTRY 25.15	SESSION 356.06
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
CA SUBSCRIBER PRICE	ENTRY -3.65	SESSION -3.65

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FILE COVERS 1907-1966 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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CA SUBSCRIBER PRICE

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COST IN U.S. DOLLARS
SINCE FILE TOTAL
FULL ESTIMATED COST 0.43 356.49

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)
SINCE FILE TOTAL

ENTRY

0.00

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-3.65

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 $\begin{tabular}{ll} {\tt Property\ values\ tagged\ with_IC_are_from_the_ZIC/VINITI-data-file} \\ {\tt provided\ by\ InfoChem.} \end{tabular}$

STRUCTURE FILE UPDATES: 20 APR 2005 HIGHEST RN 848887-73-0 DICTIONARY FILE UPDATES: 20 APR 2005 HIGHEST RN 848887-73-0

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SEARCH REQUEST FORM (511)2

Requestor's	BERC	`H -	Numl		206 42	\ \ / /
Name:	119	Phone: 57	1-272-	7663 Art L	Jnit:	24
Date:	Office	Phone: <u>57</u> <u>Ren</u> 500	2/	Mailbox	5018	
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Search Topic: Please write a det terms that may ha	tailed statement of sea	arch topic. Describe sp g. Give examples or re You may include a cop	ieveni citanons, a	and/or most relev	ent claim(s).	
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VAR G1=28/19 NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE

L3 50 SEA FILE=REGISTRY SSS FUL L1 L4 STR

Page 1-A

0:--- C---- 0-^Ak 31 @32 33 34

Page 2-A VAR G1=28/19 VPA 32-13/12/11 U NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 34

STEREO ATTRIBUTES: NONE

L5 6 SEA FILE=REGISTRY SUB=L3 SSS FUL L4

100.0% PROCESSED 50 ITERATIONS

6 ANSWERS

SEARCH TIME: 00.00.01

SINCE FILE TOTAL COST IN U.S. DOLLARS SESSION ENTRY 203.68 963.85 FULL ESTIMATED COST DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION 0.00 -13.14CA SUBSCRIBER PRICE

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FILE COVERS 1907 - 21 Apr 2005 VOL 142 ISS 17 FILE LAST UPDATED: 20 Apr 2005 (20050420/ED)

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This file contains CAS Registry Numbers for easy and accurate substance identification.

L7 ANSWER 1 OF 1 ACCESSION NUMBER: DOCUMENT NUMBER: US COPYRIGHT 2005 ACS On STN
20025304785 CAPLUS
137.7800
Heldon preparation of howel purific
Nethod or sentingal rediciones
Bordon-Paller, Florence Masselin, .
Aventis Pharas S.A., Fr.
NOT fat. Appl., 87 pp.
COOMEN FIXED
Patent

WENTOR(S): TENT ASSIGNEE(S):

| March | Marc DATE 20011219 CU, CZ, DM, KR, LC, LK, NO, SG, SI, K2, ND, NU, ZN, AT, RE, CH, NL, PT, SE, TR, NE, SN, TD, TG 20001226 20011219

20011219 5E, MC, PT 20011219 20030626 20001226 20011219 US 2004063732 PRIORITY APPLN, INFO.:

AMERICA 1 OF 1 CAPTUS CORPOTERT 2005 ACS ON STN (Continued)

439803-39-1 CAPLUS Benzold scid, 4-[[2-[(3-aminophesyl)as enter (901) (CA INDEX WAME)

Benzoic acid, 4-[[2-(e (9C1) | CA INDEX NAME]

439263-44-8 CAPLUS Benroic acid, 3-[(6-([4-(ethoxycarboxyl)phenyl)emino]-1H-purin-2-yl)amino]-, ethyl ester (901) (CA INDEX NAME)

439803-40-4 CAPLUS
Dentoic.edid, 4:[[2:[[4:(dimethylamino)phemyl]amino]_:[H:puring6:y1]amino], sthyl ester (SCI) (CA INGEN MANE)

MONES: 1 of 1. CALLES COTTRIBE 2005 ACT on THE CONTRIBUTE 1. CONTRIBE 2. CALLES ACT ON THE CONTRIBUTE 2. CALLES ACT ON THE CONTRIBUTE 2. CALLES ACT OF THE CON

43653-7-89
Kir Jahren S. W. (1998) Annual S. W. (1998) Annual S. W. (1998) Dynthetic R. SU (1998) Dynthetic R. SU (1998) Dynthetic Representation of Acri (Insection of Every 1988) (1988) (1988) (1988) Dec. (1989) Dec. (1989)

39803-35-79 439803-35-19 439803-40-49 39803-42-69 439803-44-89 Le 25U (Biological study, unclassified): SPN (Synthatic preparation): THU Therapeutic use): BIOC (Biological study): PREP (Preparation): USES

ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STM

(pres) (preparation of nowel purine derive, as inhibitors of GIV-CDX) 439803-35-7 CAPLUS (preparation of novel purine derive, as inhibitors of CIV-CMN) 503-35-7 CAPUS Soid acid, 4.4'-[lk-purin-2,6-diyldiimino)bis-, diethyl ester (9CI) INDEX NAME) Page &

L7 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

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THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> fil caol;s 17 COST IN U.S. DOLLARS

SINCE FILE ENTRY

FULL ESTIMATED COST

ENTRY SESSION 6.29 970.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

SINCE FILE TOTAL ENTRY SESSION

TOTAL.

-13.87

TOTAL

SESSION

970.57

CA SUBSCRIBER PRICE

-0.73

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FILE COVERS 1907-1966

FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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This file supports REGISTRY for direct browsing and searching of all substance data from the REGISTRY file. Enter HELP FIRST for more information.

1.8

0 L5

=> fil reg COST IN U.S. DOLLARS

SINCE FILE ENTRY 0.43

FULL ESTIMATED COST

SINCE FILE TOTAL ENTRY SESSION

CA SUBSCRIBER PRICE

ENTRY SESSION-0.00 -13.87

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

Property values tagged with IC are from the ${\tt ZIC/VINITI}$ data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 APR 2005 HIGHEST RN 848887-73-0 DICTIONARY FILE UPDATES: 20 APR 2005 HIGHEST RN 848887-73-0

-New-GAS-Information-Use-Policies, enter-HELP-USAGETERMS-for-details.

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

Please note that search-term pricing does apply when conducting ${\tt SmartSELECT}$ searches.

* The CA roles and document type information have been removed from the LDE default display format and the ED field has been added, effective March 20, 2005. A new display format, IDERL, is now available and contains the CA role and document type information.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HBLP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at: http://www.cas.org/ONLINE/DBSS/registryss.html

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(FILE 'REGISTRY' ENTERED AT 12:11:32 ON 21 APR 2005)
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FILE 'REGISTRY' ENTERED AT 12:11:46 ON 21 APR 2005
L1 STR
L2 1 S L1
L3 50 S L1 FIL.

L3 50 S L1 FUL L4 STR L1 L5 6 SEARCH L4 SUB=L3 FUL

FILE 'CAPLUS' ENTERED AT 12:18:21 ON 21 APR 2005

L6 1 S L5 L7 1 S L5

FILE 'CAOLD' ENTERED AT 12:20:17 ON 21 APR 2005

FILE 'REGISTRY' ENTERED AT 12:20:22 ON 21 APR 2005

=> d 15 que stat L1 STR

VAR G1=28/19 NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 30

STEREO ATTRIBUTES: NONE
L3 50 SEA FILE=REGISTRY SSS FUL L1
L4 STR

0:==: C==: 0-√Ak 31 @32 33 34

Page 2-A

VAR G1=28/19 VPA 32-13/12/11 U

NODE ATTRIBUTES:

DEFAULT MLEVEL IS ATOM

DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RING(S) ARE ISOLATED OR EMBEDDED

NUMBER OF NODES IS 34

STEREO ATTRIBUTES: NONE

L5 6 SEA FILE=REGISTRY SUB=L3 SSS FUL L4

100.0% PROCESSED 50 ITERATIONS

6 ANSWERS SEARCH TIME: 00.00.01

=> log y COST IN U.S. DOLLARS SINCE FILE TOTAL

ENTRY SESSION FULL ESTIMATED COST 0.43 971.00

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL ENTRY SESSION CA SUBSCRIBER PRICE 0.00 -13.87

STN INTERNATIONAL LOGOFF AT 12:20:32 ON (21 APR 2005

SEARCH REQUEST FORM (5111

Requestor's Name:	BERG	\mathcal{H}_{2}	Serial Number: _/C	6064	24
Date: 4	0ffice	Phone: <u>571-</u>	272-0663	Art Unit:/6	624
terms that may hav	e a special meaning.	Give examples or releven	ically as possible the subj nt citations, authors, keyw the broadest and/or most	ect matter to be sear ords, etc., if known relevent claim(s).	ched. Define any For sequences,
		[N] Q	L=	C-OR, O	elly, Octs, H
NH2	N/	C	N -H	•	a propyl
\$ 5	-N-C	N /	H H (Hardhard) CHarNHar Qua)) Fi	C C
Q =	\$ 0	(CH2)	CH2NHaz/R	CH2 TO	N-CH2
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VAR G1=NH2/60/48/49/52/61 VAR G2=NH2/52 VAR G3=ET/I-PR/N-PR VPA 62-14/13/18 U NODE ATTRIBUTES: DEFAULT MLEVEL IS ATOM DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 53

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DOCUMENT TYPE: LANGUAGE: FAMILY ACC. NUM. COUNT: PATENT INFORMATION:

PATENT NO. KIND DATE APPLICATION NO. DATE A2 20050224 W AM, AT, AM, AZ, BA, CU, CZ, DE, DK, DM, ER, HU, ID, IL, IN, LT, LU, LV, MA, MD, PG, PH, PL, PT, 20, CR, IT, IZ, UA, UG, KE, LS, MW, ME, NA, KZ, MB, RU, TJ, TM, FR, GB, GR, HU, IE, BF, BJ, CF, CG, CI. 20030815 20031121 20040426

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 s45792-02-1 CAPU/S
 Paperdine, 1-[4-[2-[4-aminocyclohesyl) amino]-IH-purin-6yl) amino]exceyl|- [SCI] (CA INDEX NAME)

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78-Furine-2, 6-dismine, NZ-(trans-4-aminocyclobemyl)-N6-[[4-(5-chloro-2-thlesyl)phesyl]netbyl)-(SCI) (CA INDEX NAME)

Relative stereochemistry

L4 ANSWER 3 OF 4 CAPIUS COPYRIGHT 2003 ACS ON SYN
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| March | 100 | March KIND DATE DG, BR, BY, EE, ES, FI, KG, KP, KR, MW, MX, HZ, SL, TJ, TH, CA, GD, LC, NZ, TR, CH, CN, GE, GH, LK, LR, CM, FH, TI, TZ, BZ, GB, KZ, NO, TN, , ZW , SZ, YZ, UG, : , BG, CH, CY, I , NL, FT, SZ, : , NR, NE, SN, : US 2001-95054 2M, DV, AM, AZ, BY, CZ, DE, DX, EE, ES, SX, TR, BF, BJ, CF, TD, TG

ANSWER 2 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

ANSWER 3 OF 4 CAPLUS COPYRIGHT 2005 ACS OR SIN

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antiproliferative agents)
502[46-09-0 CAPUS
7M-Purine-2,6-diamine, N2-(trans-4-ams pocyclohemy1)-N6-[[4-(5-chloro-2-thiny1)]hemy1]methy1]- (SCI) (CA INGER SAME)

Relative stereochemistry.

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JF 2004516326 US 2004063732 PRIORITY APPLN. INFO.:

OTHER SOURCE(S):

ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)

439802-94-5 CAPIUS 1M-Furine-2,6-diamine, N2-(trans-4-aminocyclohexyl)-N6-propyl-, dihydrochloride (SCI) (CA INGEX MAME)

belerive etereochemistry.

norouz-y6-; carus 1M:Purins-2;5-diamins-N2-(trans-4-eminocyclohexyl)-N6-(phenylmethyl)-dibydrochlorade (SCI) (CA INDEX NAME)

Belative stereochemistry

●2 HC1

439902-98-9 CAFLUS 4.9902-90-9 CAFINS IM-Purine-2, 6-diamine, N2-(trans-4-aminocyclohenyl)-N6-(4-methoxyphenyl)-, dihydrochloride (SCI) (CA INDEX NAME)

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[preparation of nove] pursue derivs, as inhibitors of CIV-COK)
(39402-90-1 CAPLUS

Benroid acid, 4-[12-[(trass-t-aminocyclobexyllamiso]-iH-purin-6-yllamiso], ethyl ester, dhhydrochloride (SCI) (CA IMOEX NAME)

Relative stereochemistry.

439802-92-3 CAPLUS IM-Purine-2,6-diemine, N2-(trans-4-omin trihydrochloride (9CI) (CA INDEX NAME) -eminocyclohemyl) -N6- (2-aminoethyl) -.

ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

439803-00-6 CAPLUS 1H-Purine-2,6-diamone, N2-(trans-t-aminosyslohexyl)-R6-[t-(trifluorosethoxyl)henyl]-, dihydrochloride (901) (CA INDEX NAME) ochem strv.

439803-02-8 CAPLUS IN-Purine-Z.6-dismins, N2-(trans-4-sminosyclohenyl)-N6-(1-(phenylmethyl)-4-paperidnyl]-, trlaydrochloride (9C1) (CA INGEX ROME) Relative stereochemistry.

14 AMENER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



●3 HC1

NM 439803-04-0 CAPLUS

CN 1M:Purise-2,6-ds arine, N2-(trans-4-aminocyclobasy2)-N6-(2-[[]] has purise that has no | athyl]-, tribydrochloride (9CI) (CA INDEX NAME)

How were were were

RM 439803-06-2 CAPLUS CN 1M-Puriss-2,6-diamons, W2-(trans-4-aminocyclohexyl)-N6-[(3,4-diamonoxybhoyllamothyl]- (901) (CA INDEX MMHE)

Relative stereochemistry.

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued)



●2 HC1

PM 439803-12-0 CAPLUS CN IM-Purine-2,6-dismine, N2-(trans-4-aminocyclohexyl)-N6-((4-fluorophexyl) methyl)- [SCI) (CA INDEX NAME)
Palative starocchamistry.



TRM 439803-17-5 CAPLUS
CN Beszole scid, 3-[[2-](trans-4-aminocyclohaxyl)emino]-lH-purin-6-yl]amino]ethyl estar (SCI) (CA INCEX NAME)

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L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued



439803-08-4 CAPUUS
MI-Purine-2,6-dismine, N2-(trans-4-aminocyclohexyl)-, dihydrochloride
(SCI) (CA INDEX NAME)

●2 HC1

EN 439803-10-8 CAPLUS CN IN-Turne-2,6-diamine, N2-(trans-4-sminocyclohemyl)-N6-phenyl-, dihydrobloride (9CI) (CA INDEX NAME)

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (9CI) (CA INDEX NAME)

NZN JAH

Relative stereochemistry.

3N 439803-21-1 CAPUTS CN IR-Purine-2,6-dismins, N2-(trans-4-aminosyclohexyl)-M6-(3,4-dichlorophexyl) (CG1) (CA INDEX NAME)
Relative stereochemistry.

H₂N NH NH NH

NN 439803-23-3 CAPLUS

Amendo acad, 4-[2-[(trans-4-aminosyolohemy)] amino)-IN-purin-6-y1] amino), buty ster (9C1) (CA INDEX MAME)

Relative stereochemistry.

H2M NH NH NH

AMSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN (Continued) 439103-25-5 CAPLUS Bencous coid, 4-[2-([trans-4-aminocyolobesyl)amino]-1H-puris-6-yi]amino]-, 2-(dustylamino]etyl ester [SCI) (CA IMMEX MARE)

439803-27-7 CAPLUS Benzamide, 4-[[2-[(trans-4-minocyclohexyl)amino]-1H-purin-6-yl]amino]-N-phenyl-(9CT) (CA INDEX NAME)

Relative atereochemistry.

439803-29-9 CAPLUS 1H-Purine-2,6-diamine, N2-(trans-4-aminocyclohexyl)-N6-(4-(dimethylamino)phenyl)- (9CI) (CA INDEX NAME)

Relative stereochemistry.

ANSWER 4 OF 4 CAPLUS COPYRIGHT 2005 ACS on STN

439803-31-3 CAPLUS Bantaldehyde, 4-[[2-[(trans-4-aminodyslohemyl)amino]-1M-purin-6-y1]amino]-(SCI) (CA NEWE NAME) Relative stereochemistry.

ns-4-aminocyclohexyl)amino]-lH-purin-6-yl]amino]-

THURE ARE 5 CITED REFERENCES AVAILABLE FOR THIS

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GRAPH ATTRIBUTES: RING(S) ARE ISOLATED OR EMBEDDED NUMBER OF NODES IS 53

STEREO ATTRIBUTES: NONE
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